

Title (en)
NONAQUEOUS ELECTROLYTE SECONDARY BATTERY

Title (de)
SEKUNDÄRBATTERIE MIT NICHTWÄSSRIGEM ELEKTROLYTEN

Title (fr)
BATTERIE RECHARGEABLE À ÉLECTROLYTE NON AQUEUX

Publication
EP 4191697 A1 20230607 (EN)

Application
EP 21849440 A 20210709

Priority
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Abstract (en)
The purpose of the present disclosure is to provide a nonaqueous electrolyte secondary battery configured to suppress the occurrence of internal short-circuiting in the vicinity of the inner side end of winding. This nonaqueous electrolyte secondary battery according to one embodiment includes: an electrode body in which a positive electrode and a negative electrode are wound with a separator therebetween; a nonaqueous electrolyte; and an exterior body for housing the electrode body and the nonaqueous electrolyte. A negative electrode (12) includes a first negative electrode active material, and a second negative electrode active material, the second negative electrode active material exhibiting a greater expansion rate than the first negative electrode active material during charging. When the proportion of mass of the second negative electrode active material with respect to the total mass of the first negative electrode active material and the second negative electrode material is defined as the second negative electrode active material ratio, the second negative electrode active material ratio on the side of the inner winding end (12a) is smaller than the second negative electrode active material ratio on the side of the outer winding end (12b).

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